

1/28

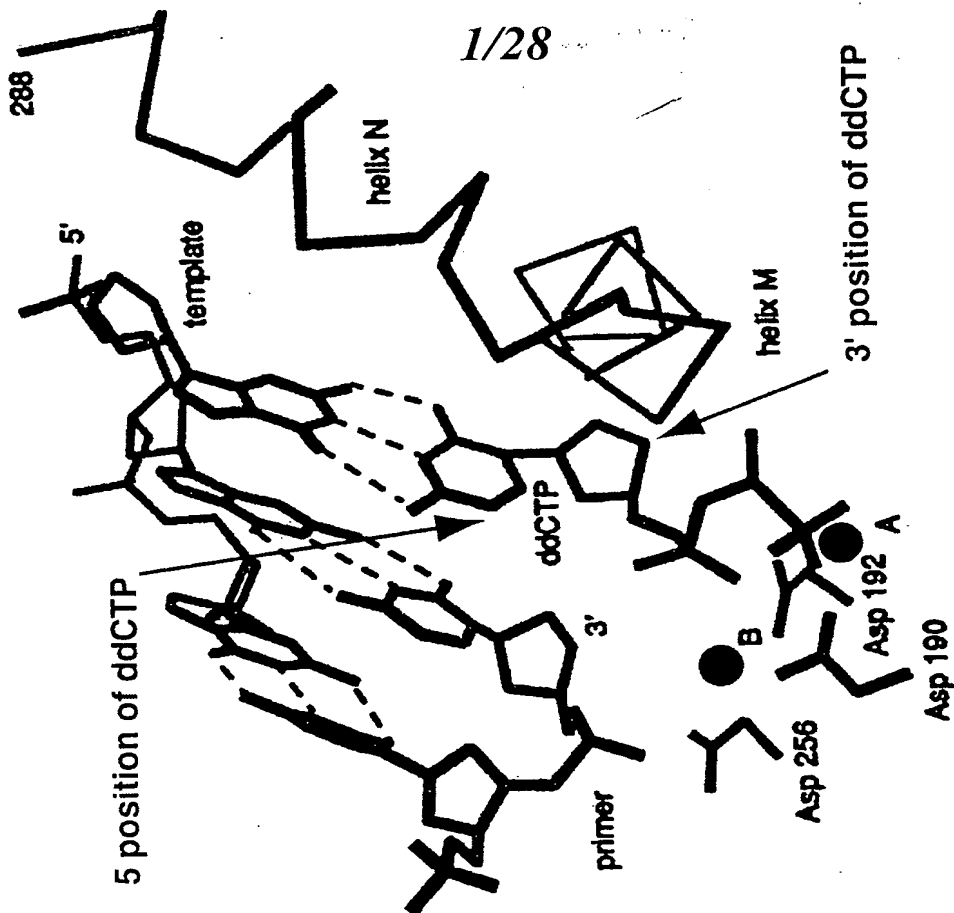
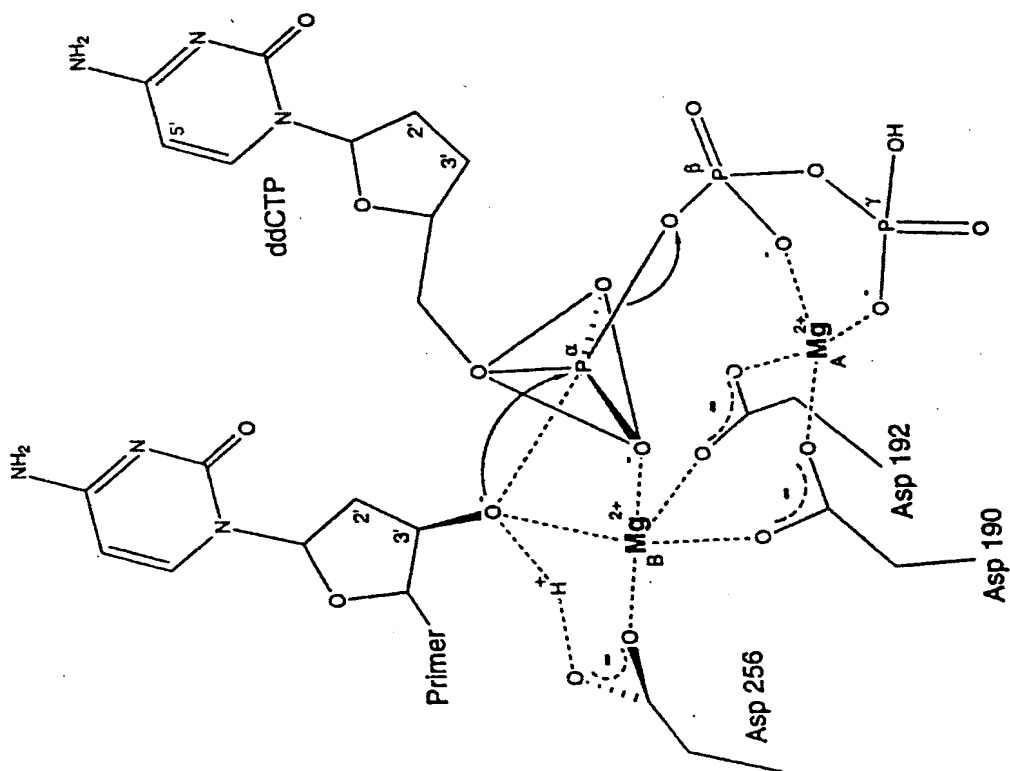
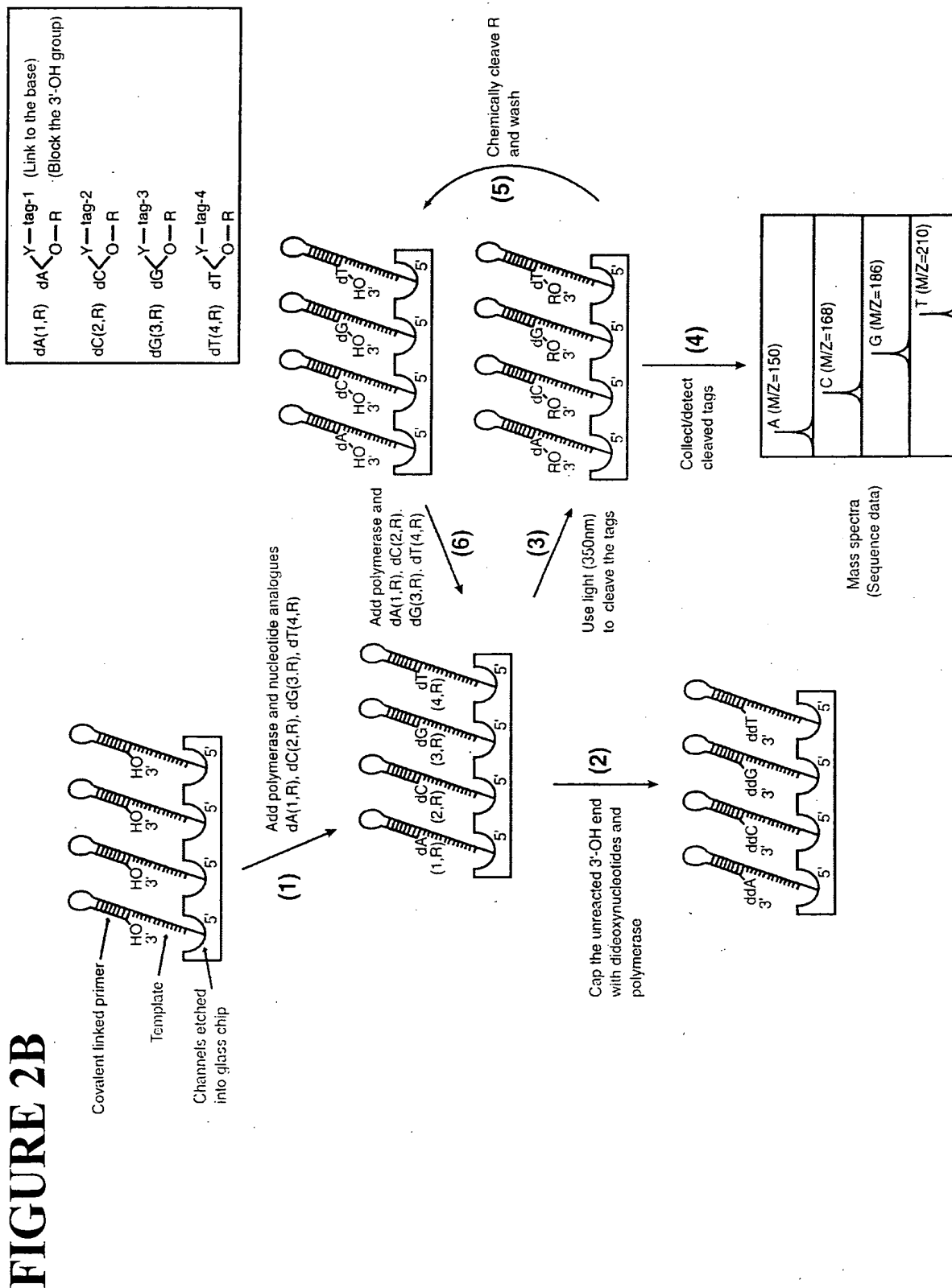


FIGURE 1



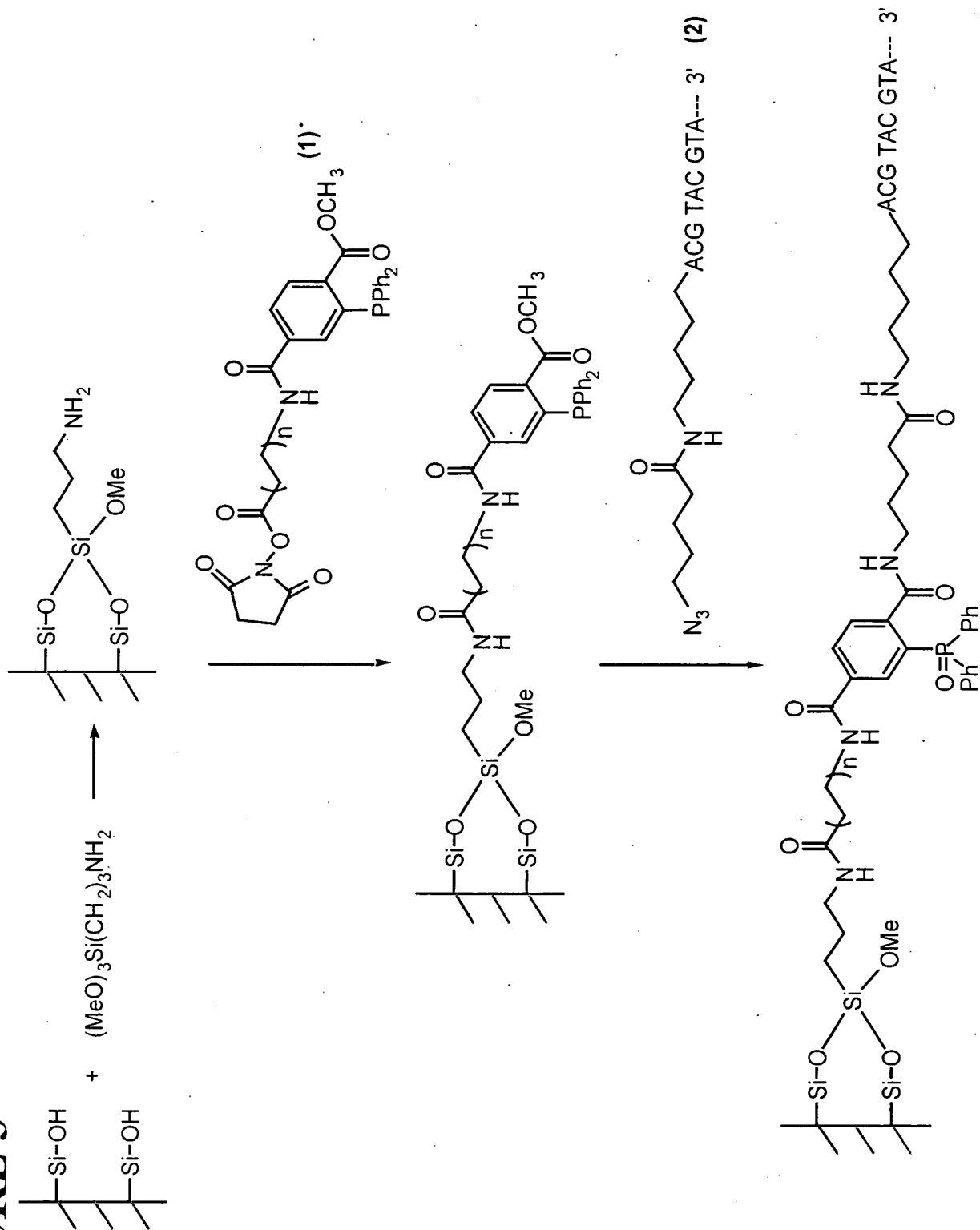
Asp = Aspartic Acid

3/28



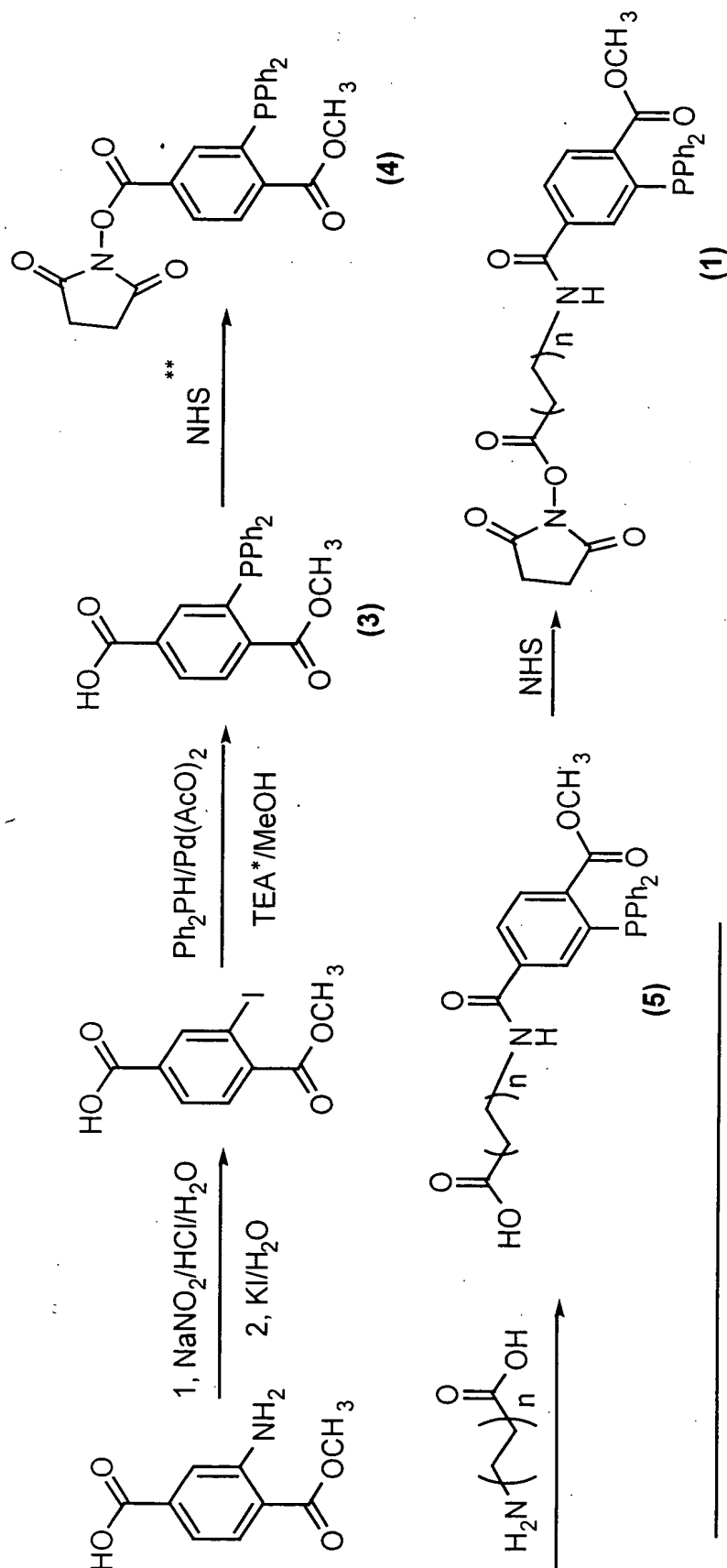
4/28

FIGURE 3



5/28

FIGURE 4



*TEA = Triethylamine, **NHS = N-Hydroxysuccinimide

6/28

FIGURE 5

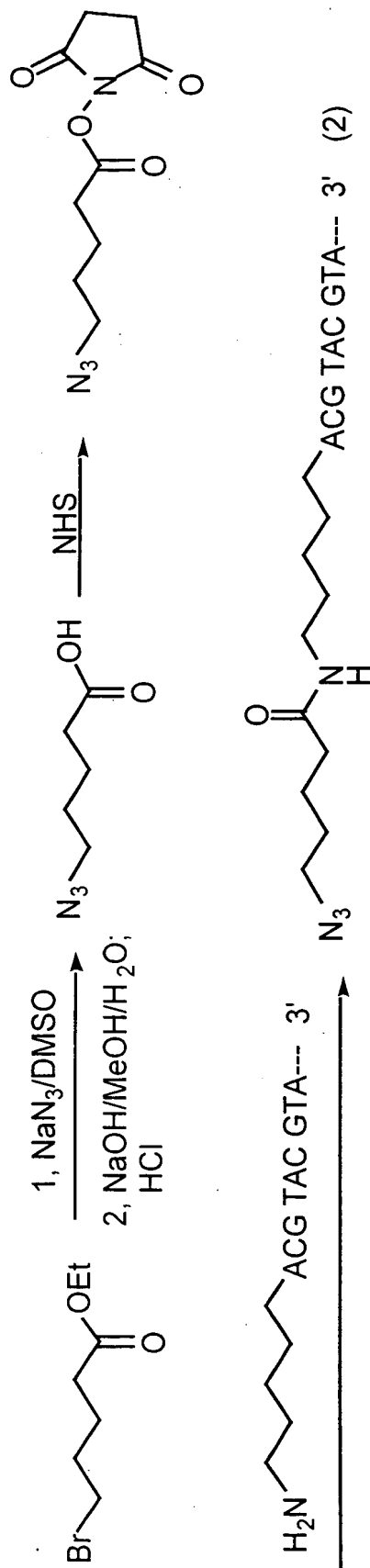
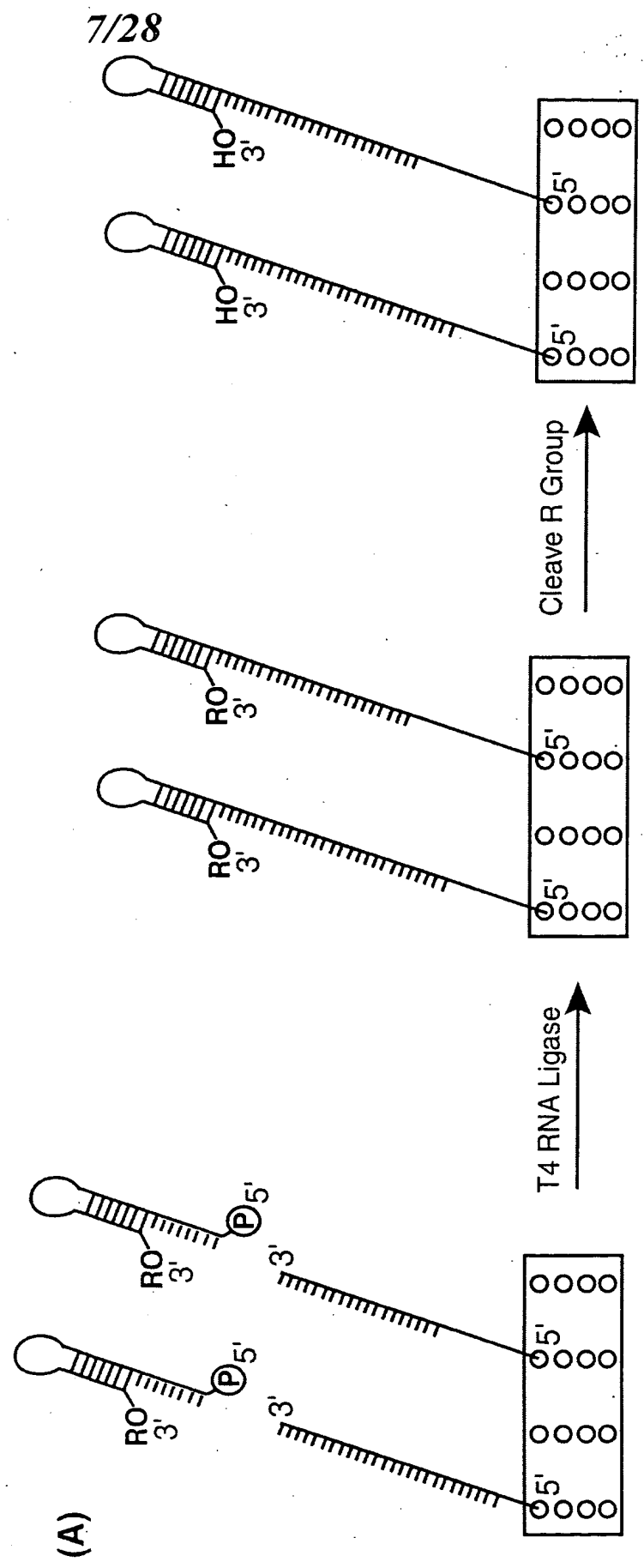
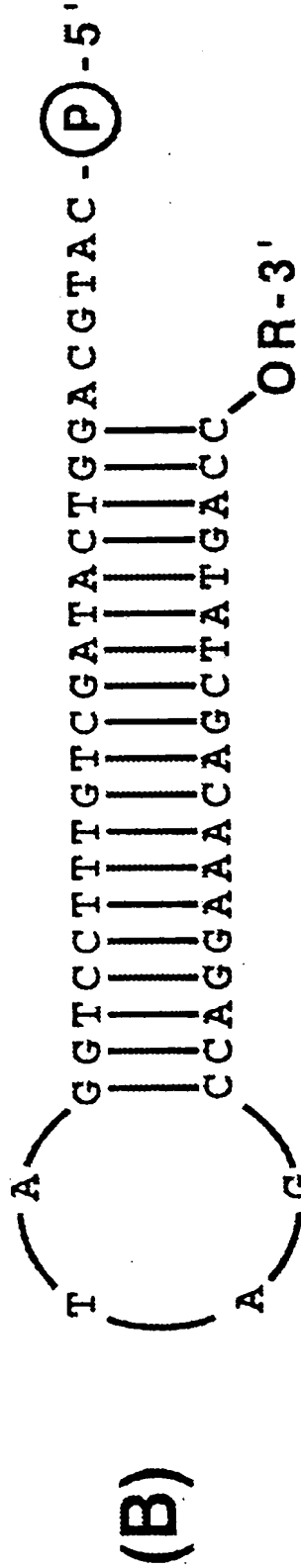


FIGURE 6A



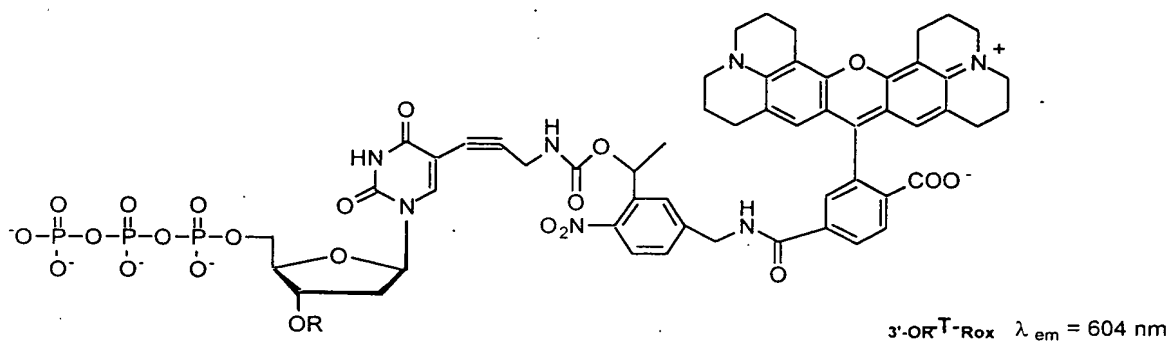
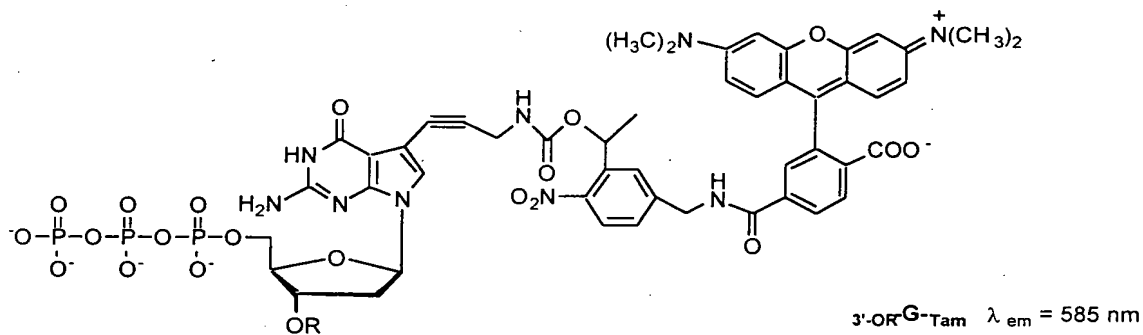
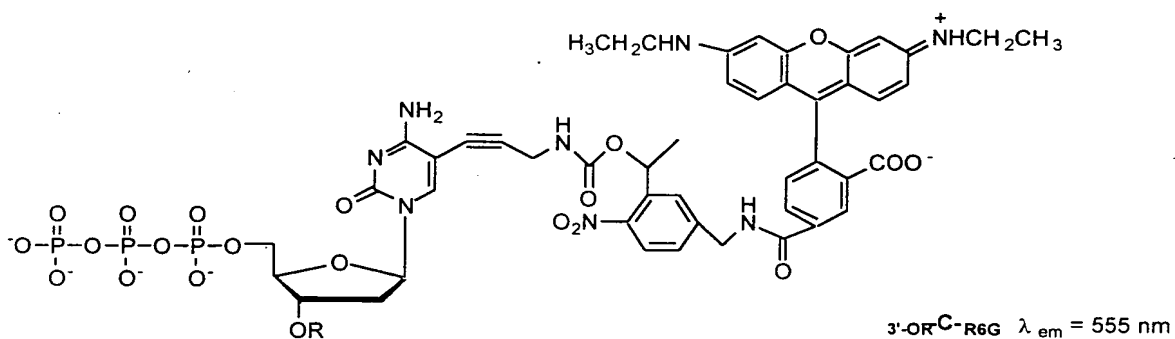
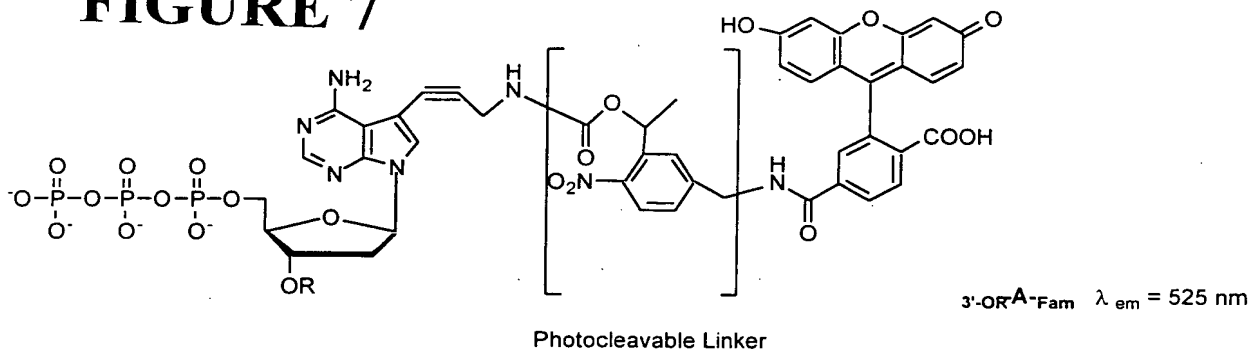
8/28

FIGURE 6B



9/28

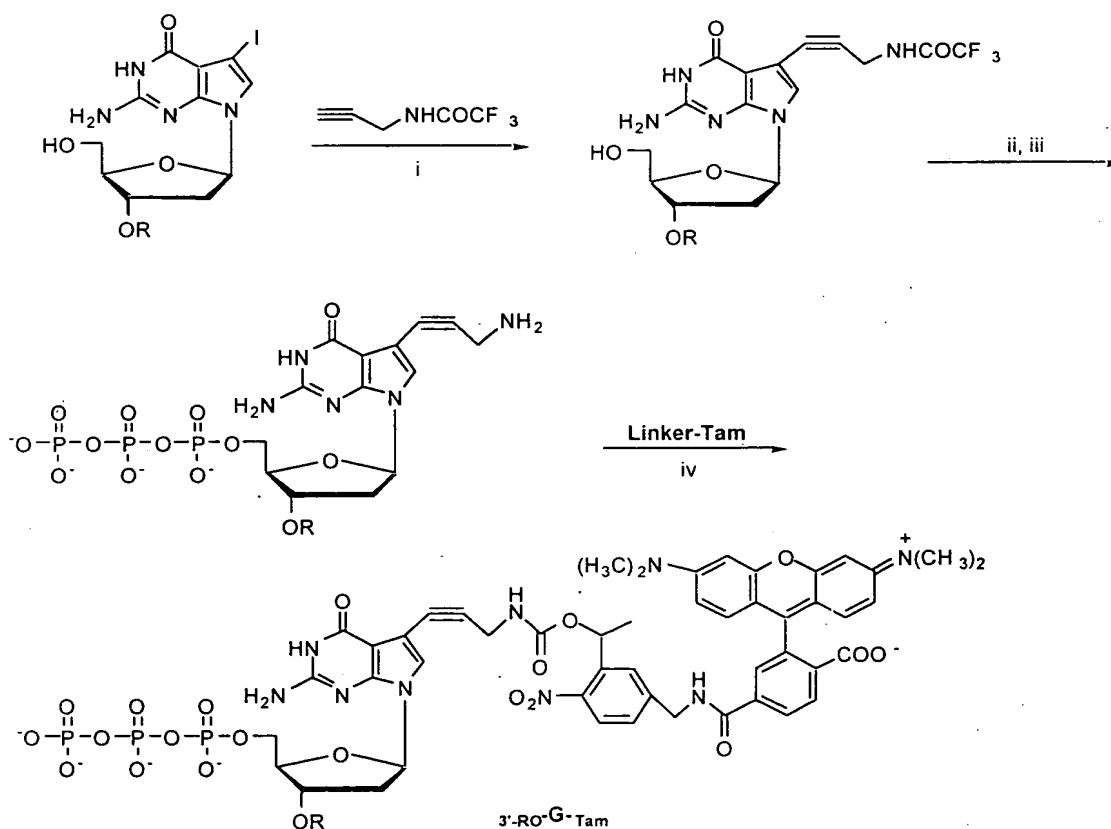
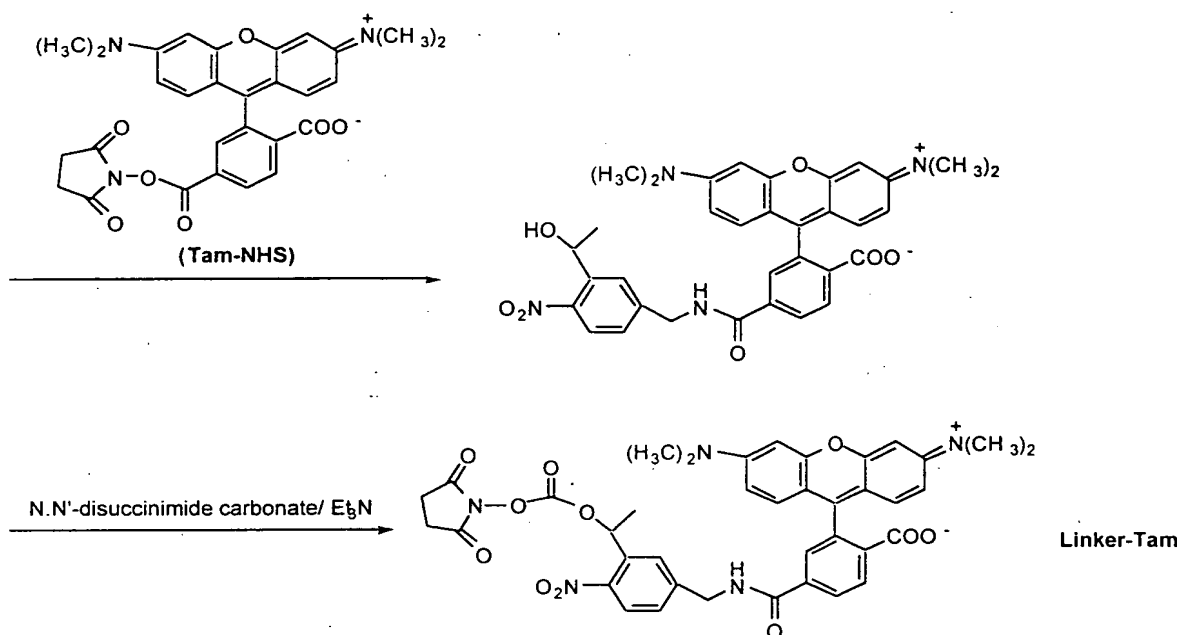
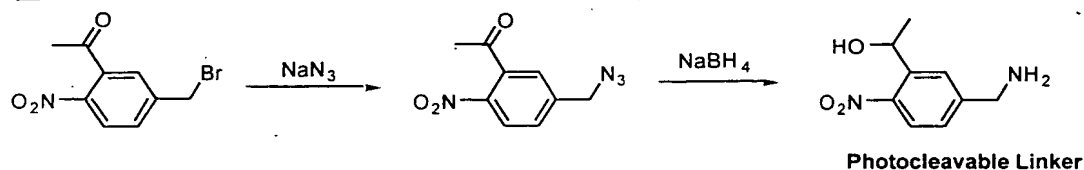
FIGURE 7



R = H, CH₂OCH₃ (MOM) or CH₂-CH=CH₂ (Allyl)

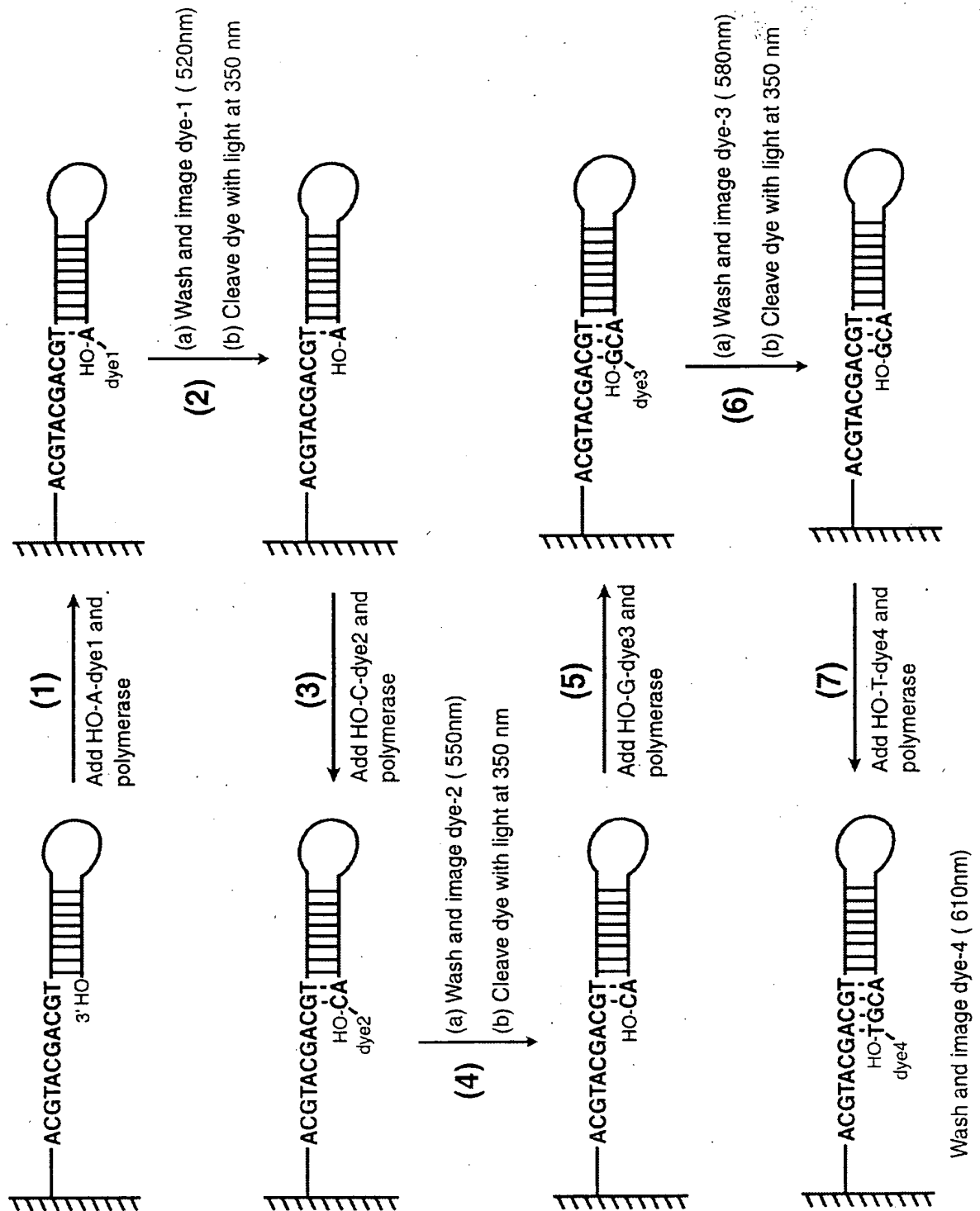
10/28

FIGURE 8



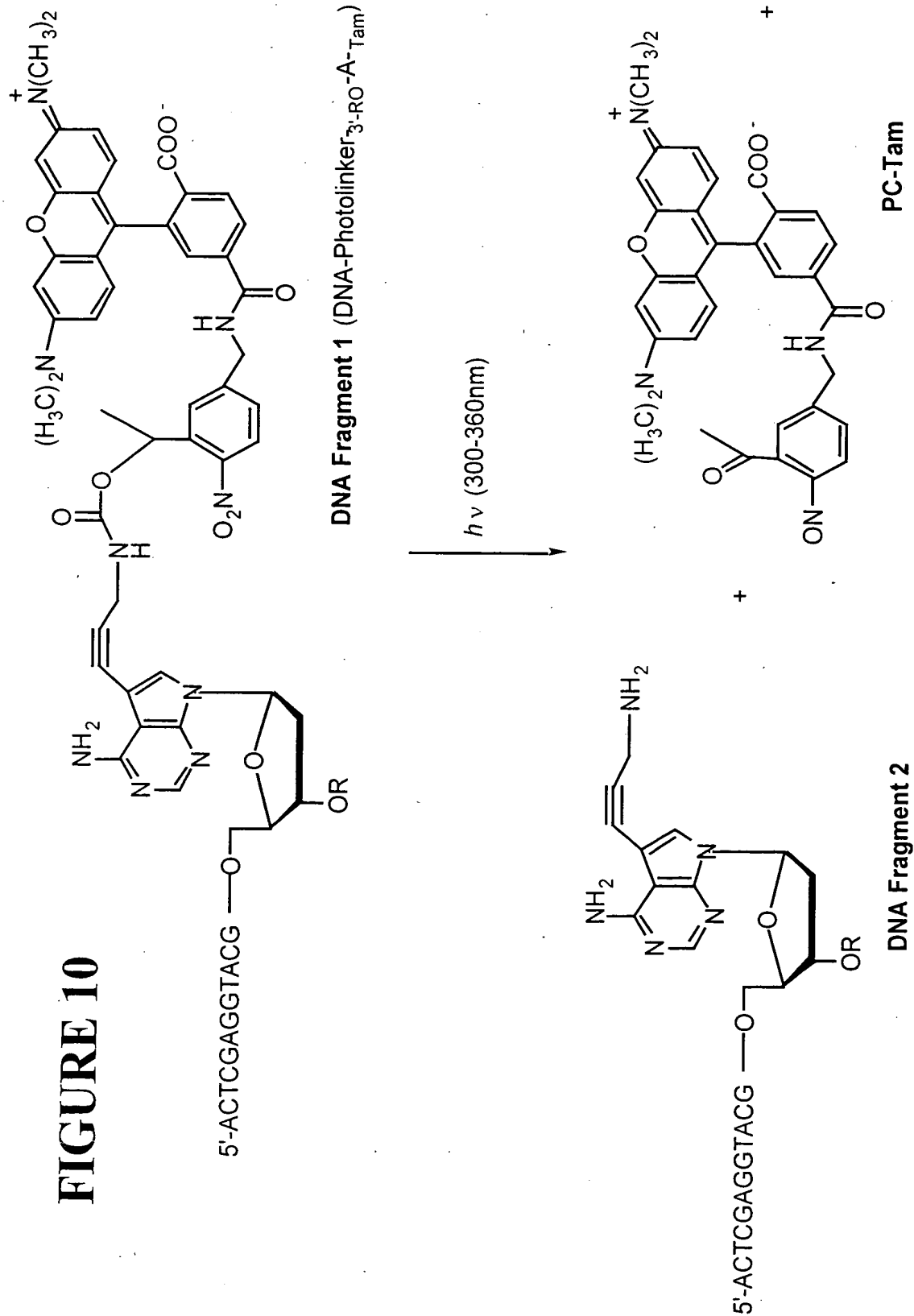
11/28

FIGURE 9

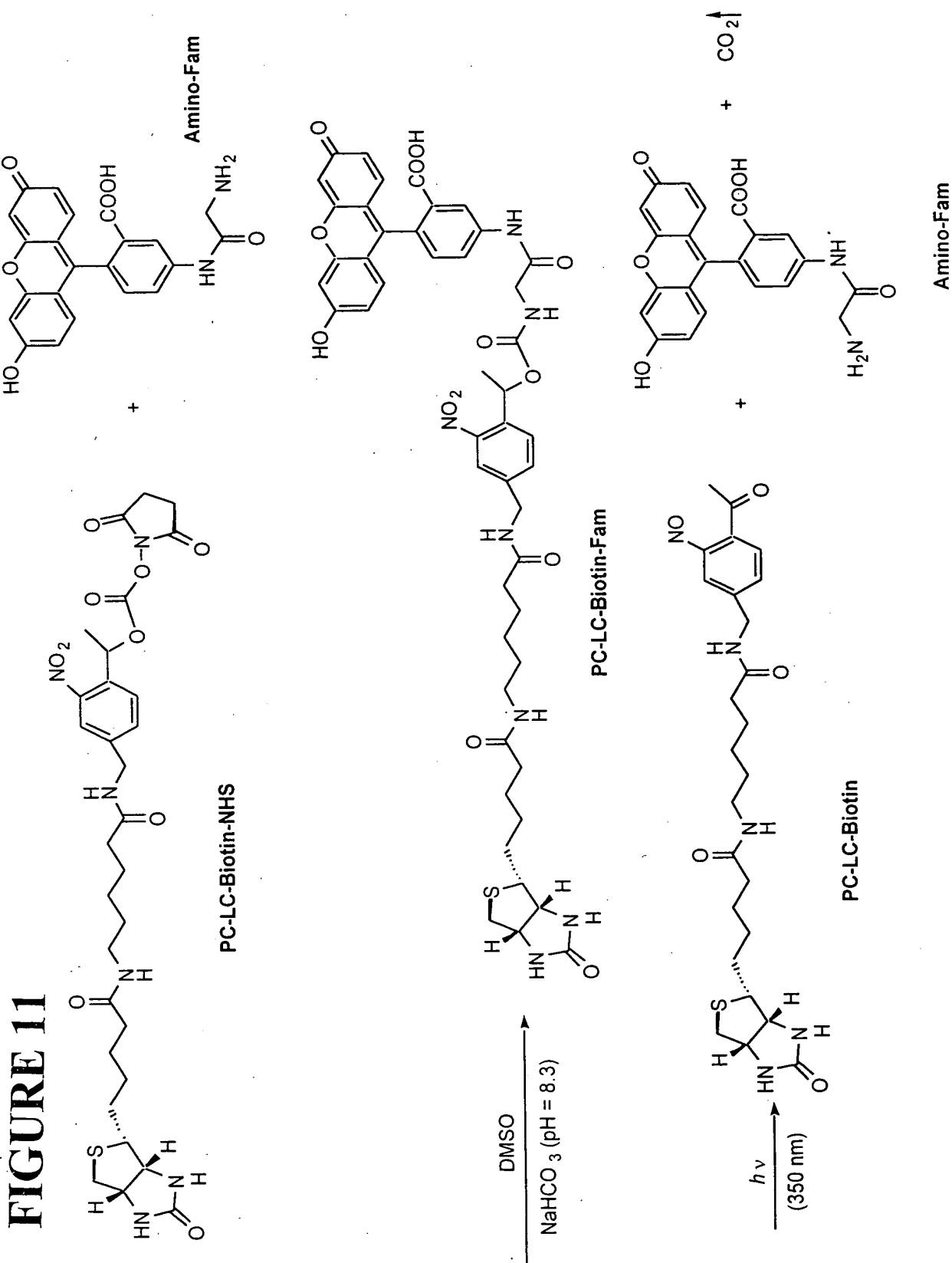


12/28

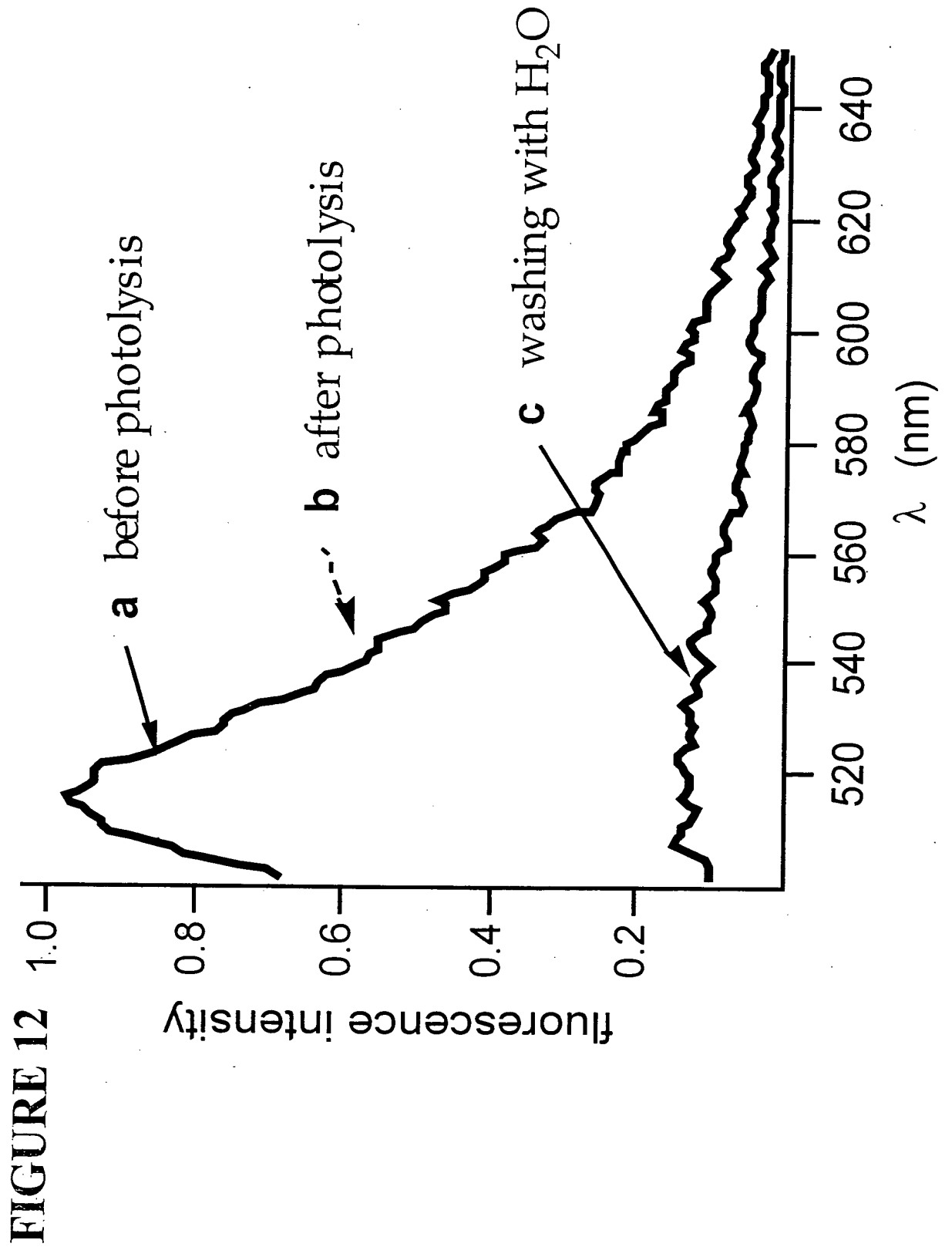
FIGURE 10



13/28

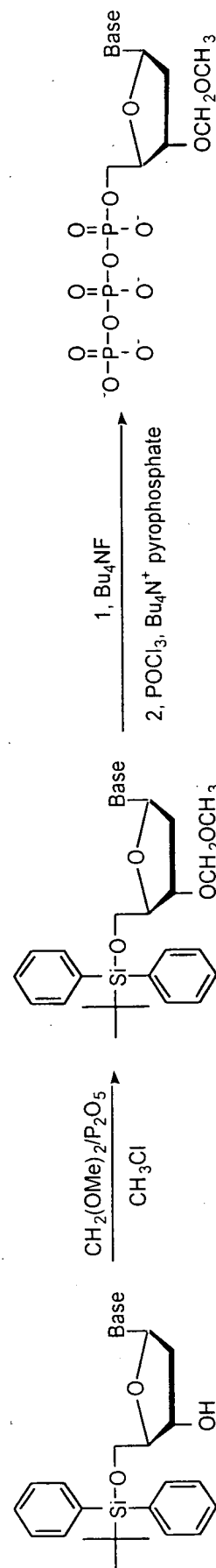


14/28



15/28

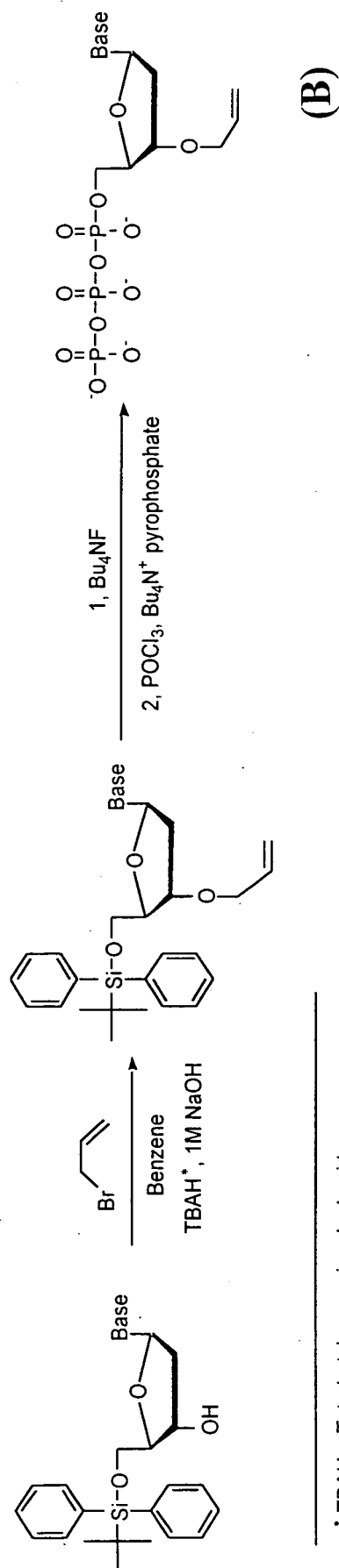
FIGURE 13A



(A)

16/28

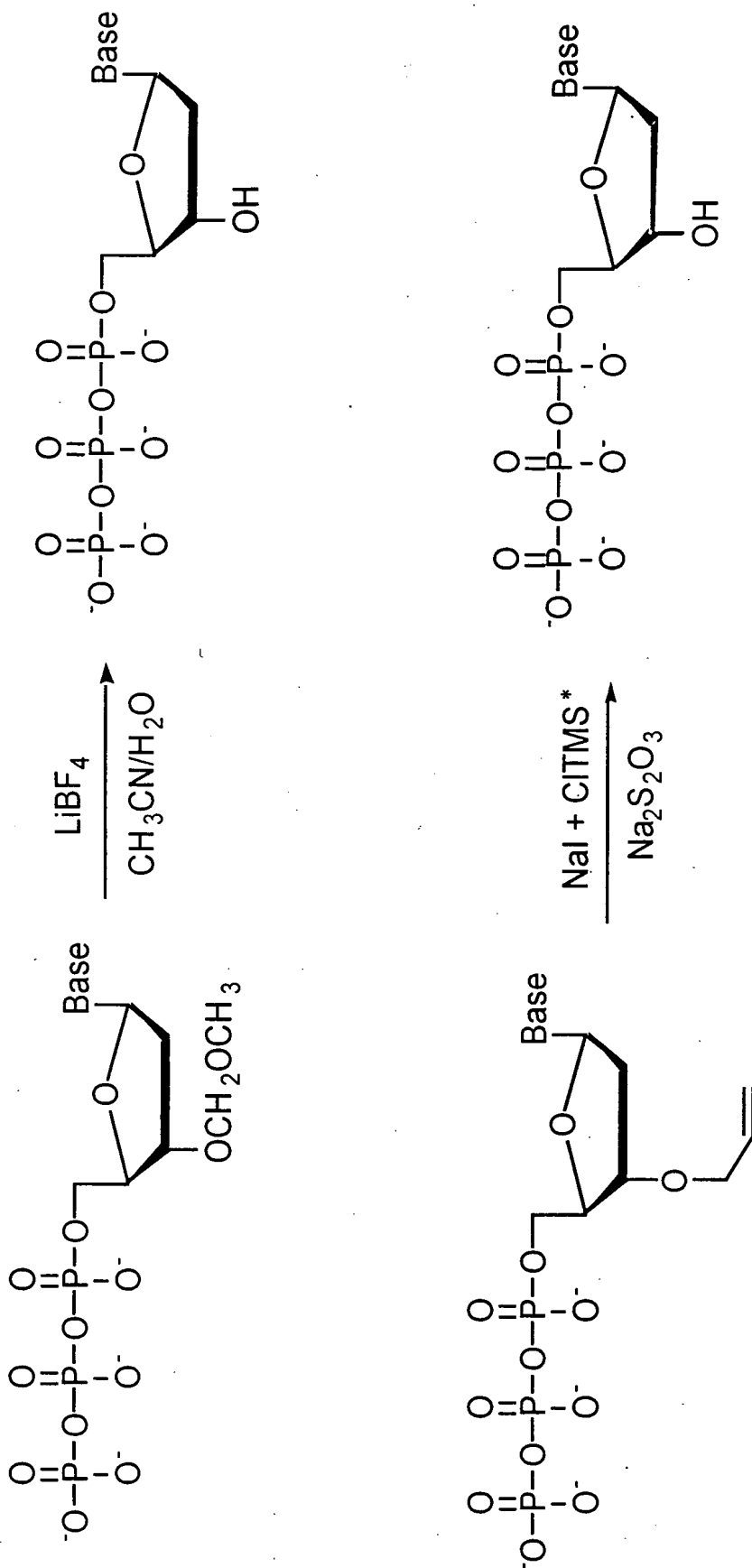
FIGURE 13B



* $\text{TBAH} = \text{Tetrabutylammonium hydroxide}$

17/28

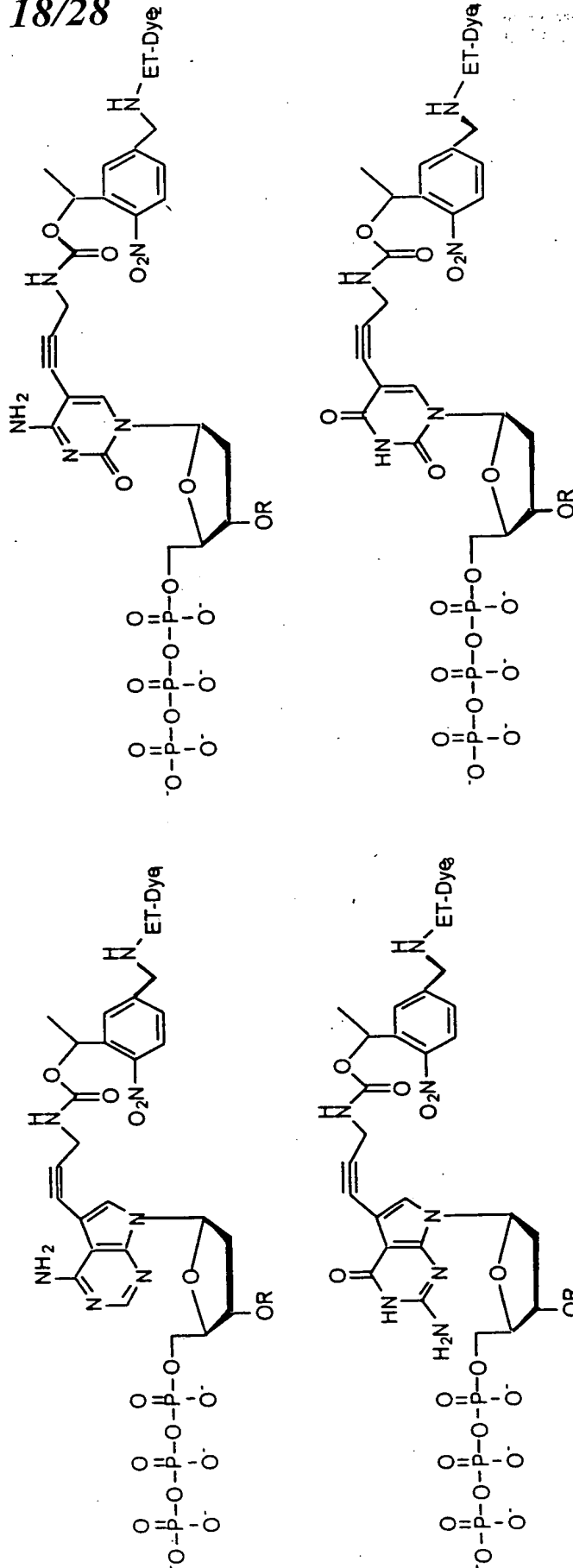
FIGURE 14



*CITMS = chlorotrimethylsilane

18/28

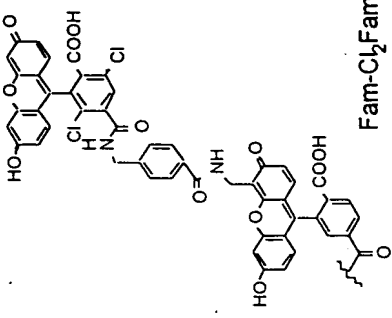
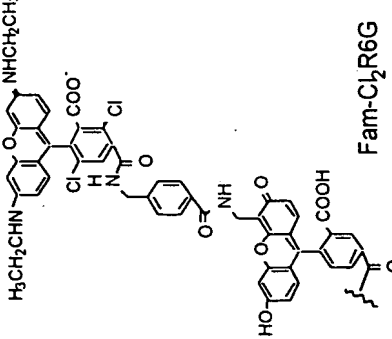
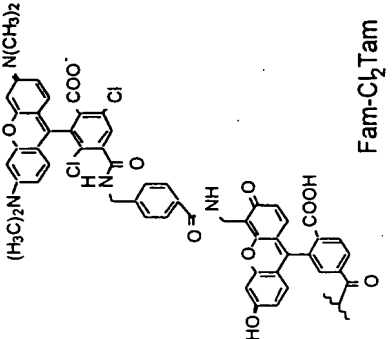
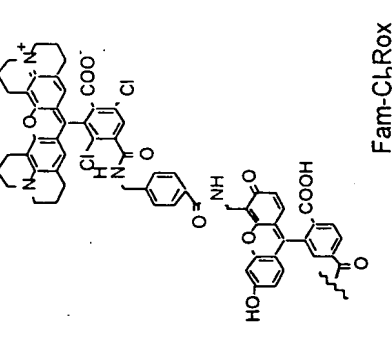
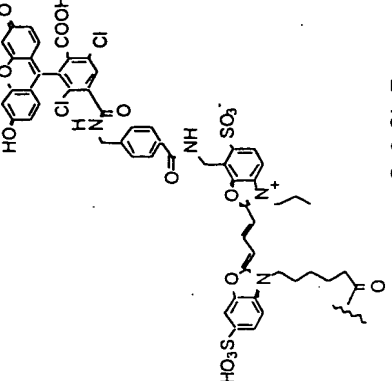
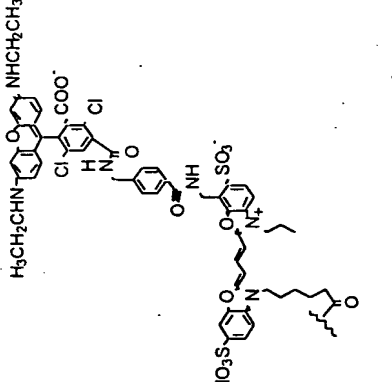
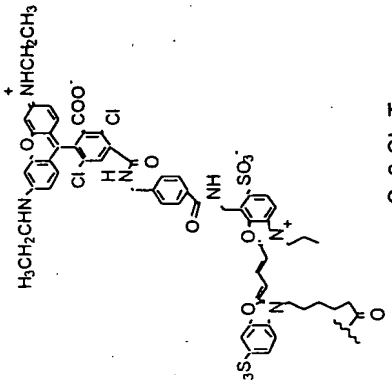
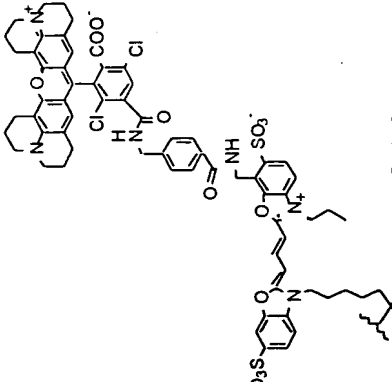
FIGURE 15A



R = H, CH₂OCH₃ (MOM) or CH₂-CH=CH₂ (Allyl)

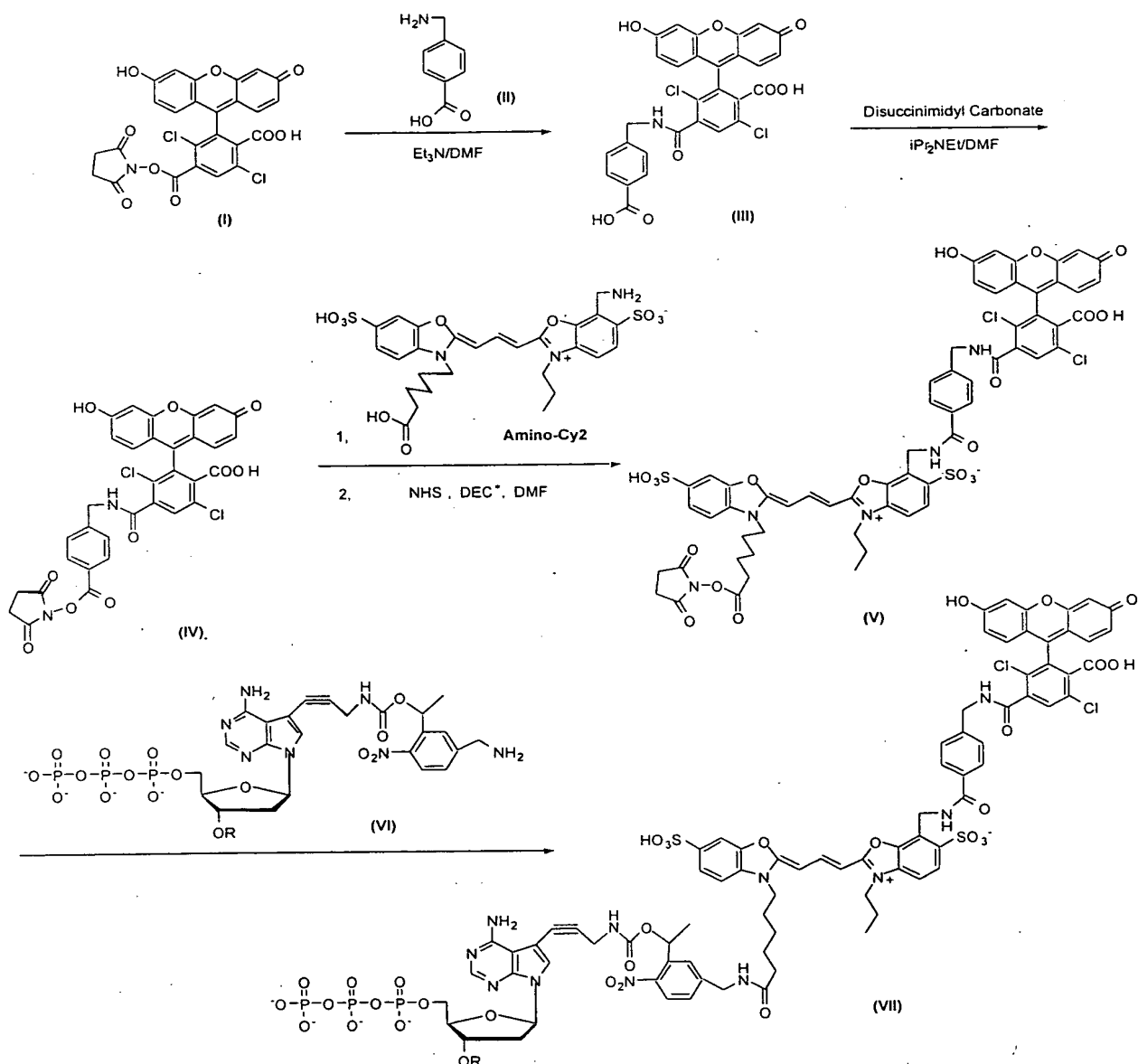
19/28

FIGURE 15B

ET Dye ₁ $\lambda_{em} = 530 \text{ nm}$	ET Dye ₂ $\lambda_{em} = 560 \text{ nm}$	ET Dye ₃ $\lambda_{em} = 590 \text{ nm}$	ET Dye ₄ $\lambda_{em} = 620 \text{ nm}$
 <p>Fam-Cl₂Fam</p>	 <p>Fam-Cl₂R6G</p>	 <p>Fam-Cl₂Tam</p>	 <p>Fam-Cl₂Rox</p>
 <p>Cy2-Cl₂Fam</p>	 <p>Cy2-Cl₂R6G</p>	 <p>Cy2-Cl₂Tam</p>	 <p>Cy2-Cl₂Rox</p>

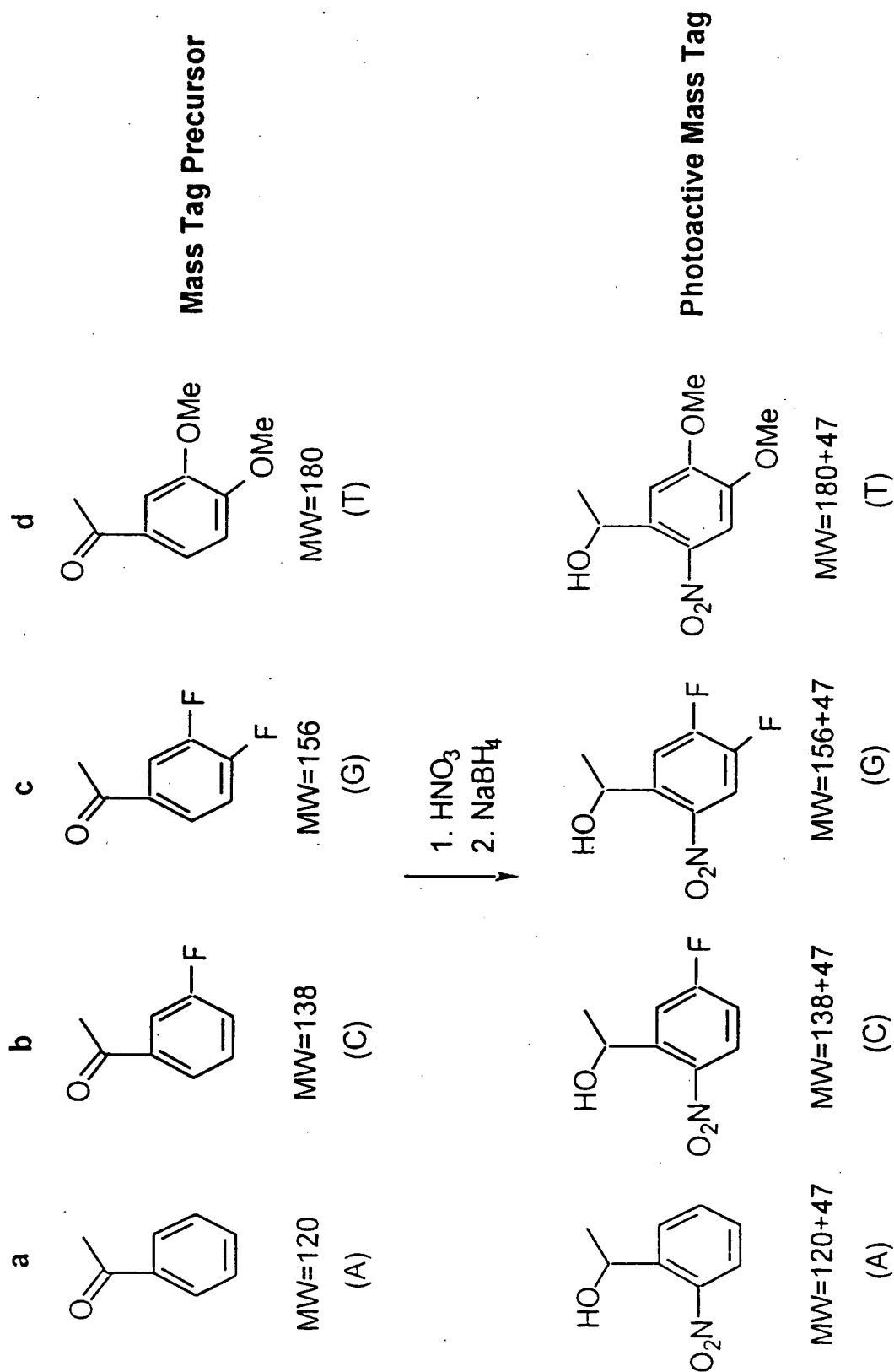
20/28

FIGURE 16



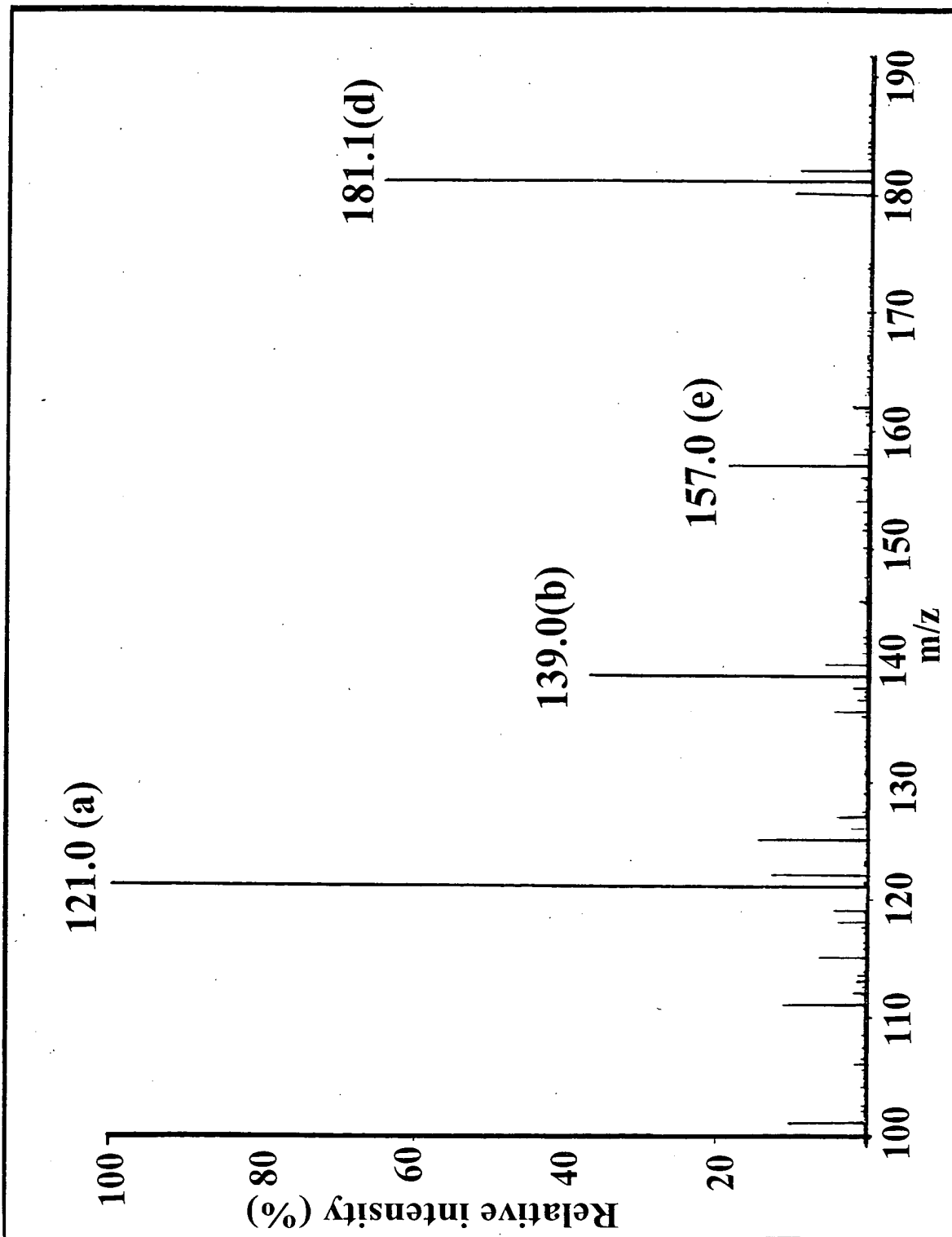
21/28

FIGURE 17



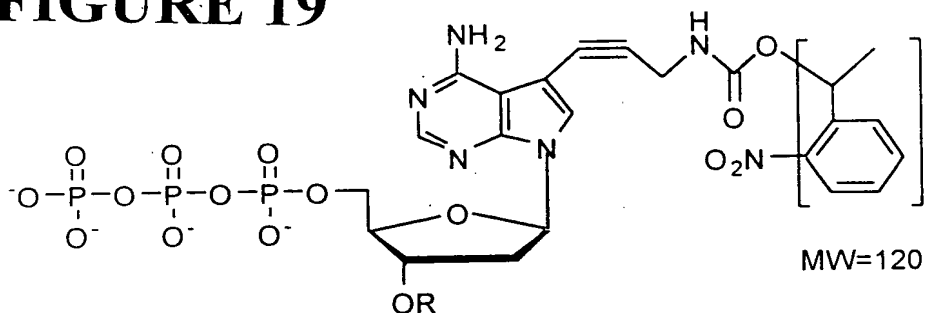
22/28

FIGURE 18

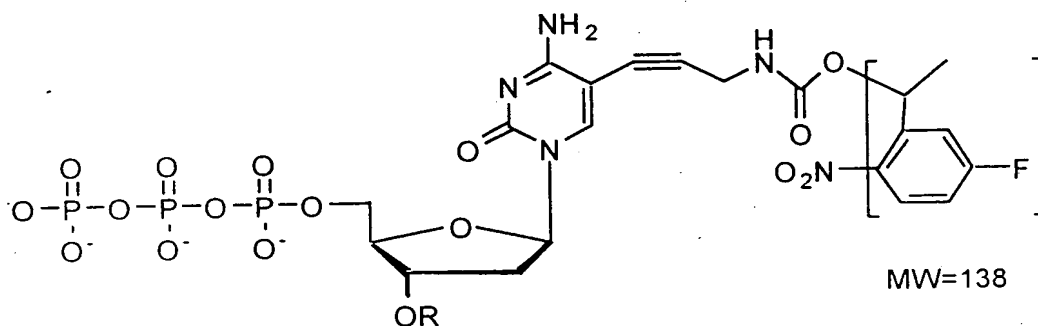


23/28

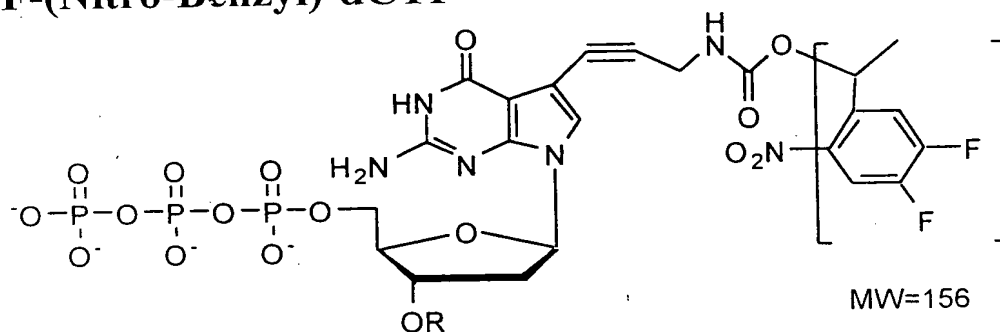
FIGURE 19



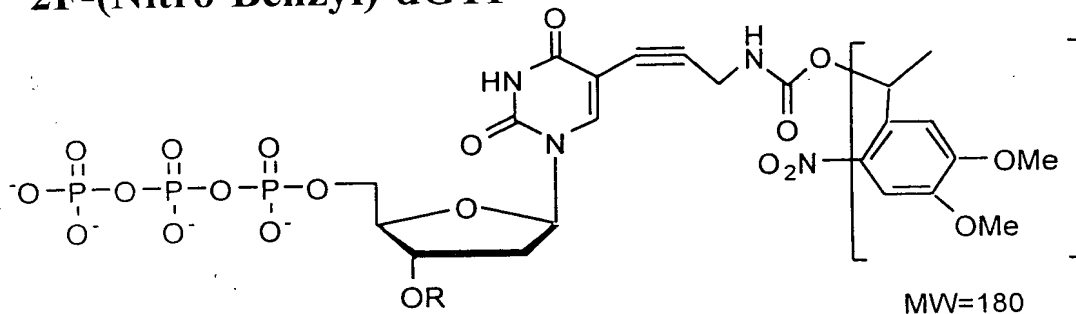
(Nitro-Benzyl)-dATP



F-(Nitro-Benzyl)-dCTP



2F-(Nitro-Benzyl)-dGTP

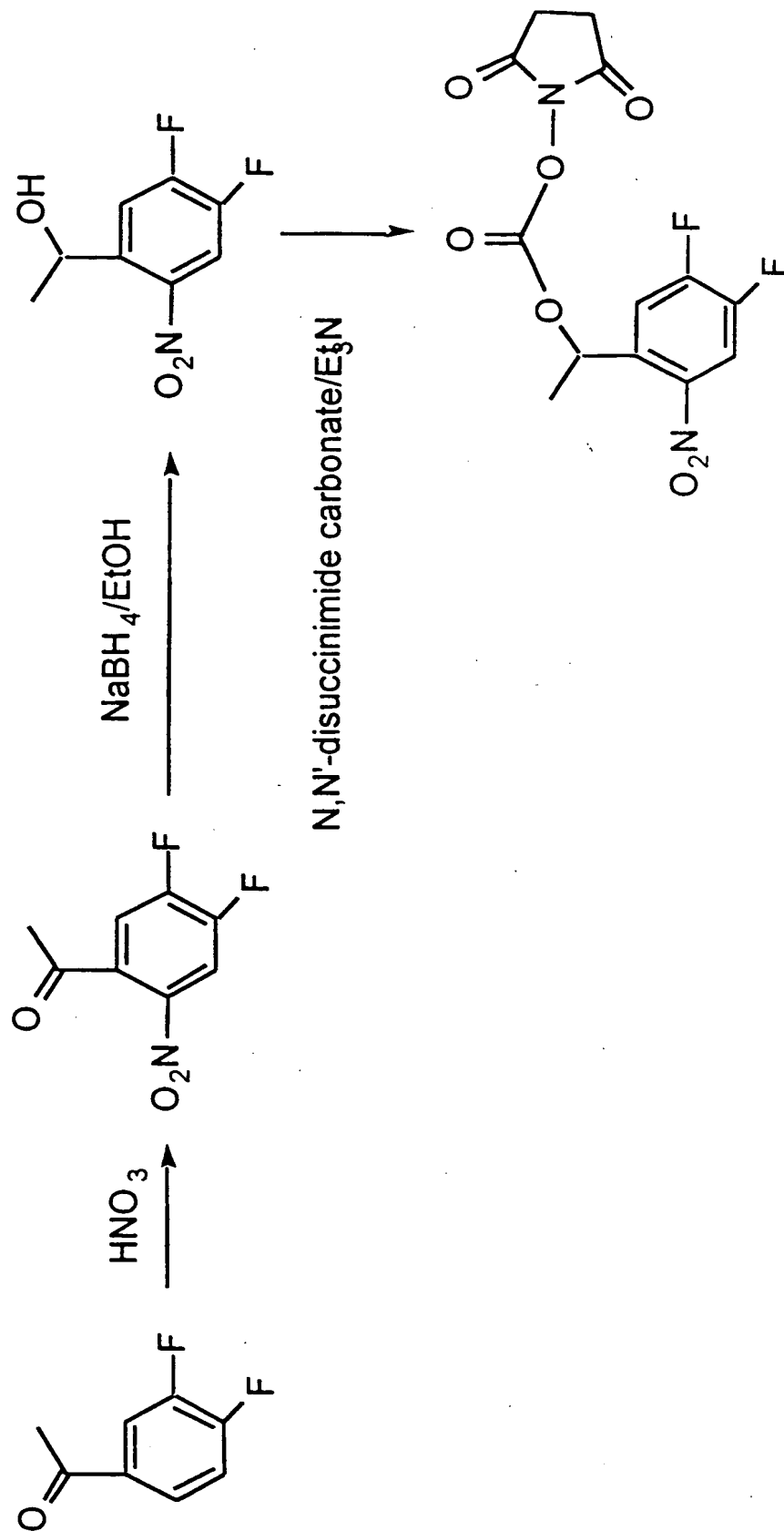


2(Meo)-(Nitro-Benzyl)-dTTP

R = H, MOM or Allyl

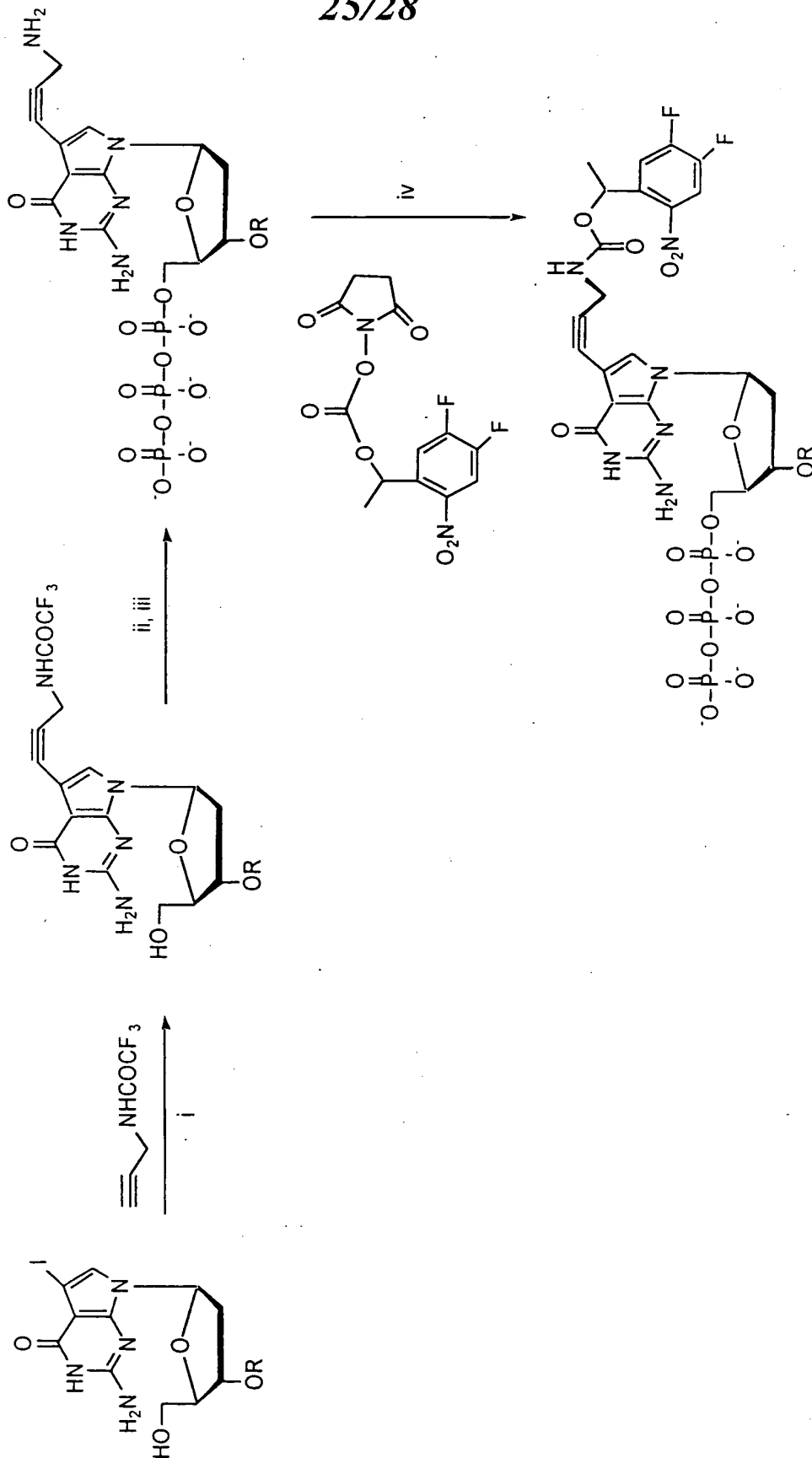
24/28

FIGURE 20



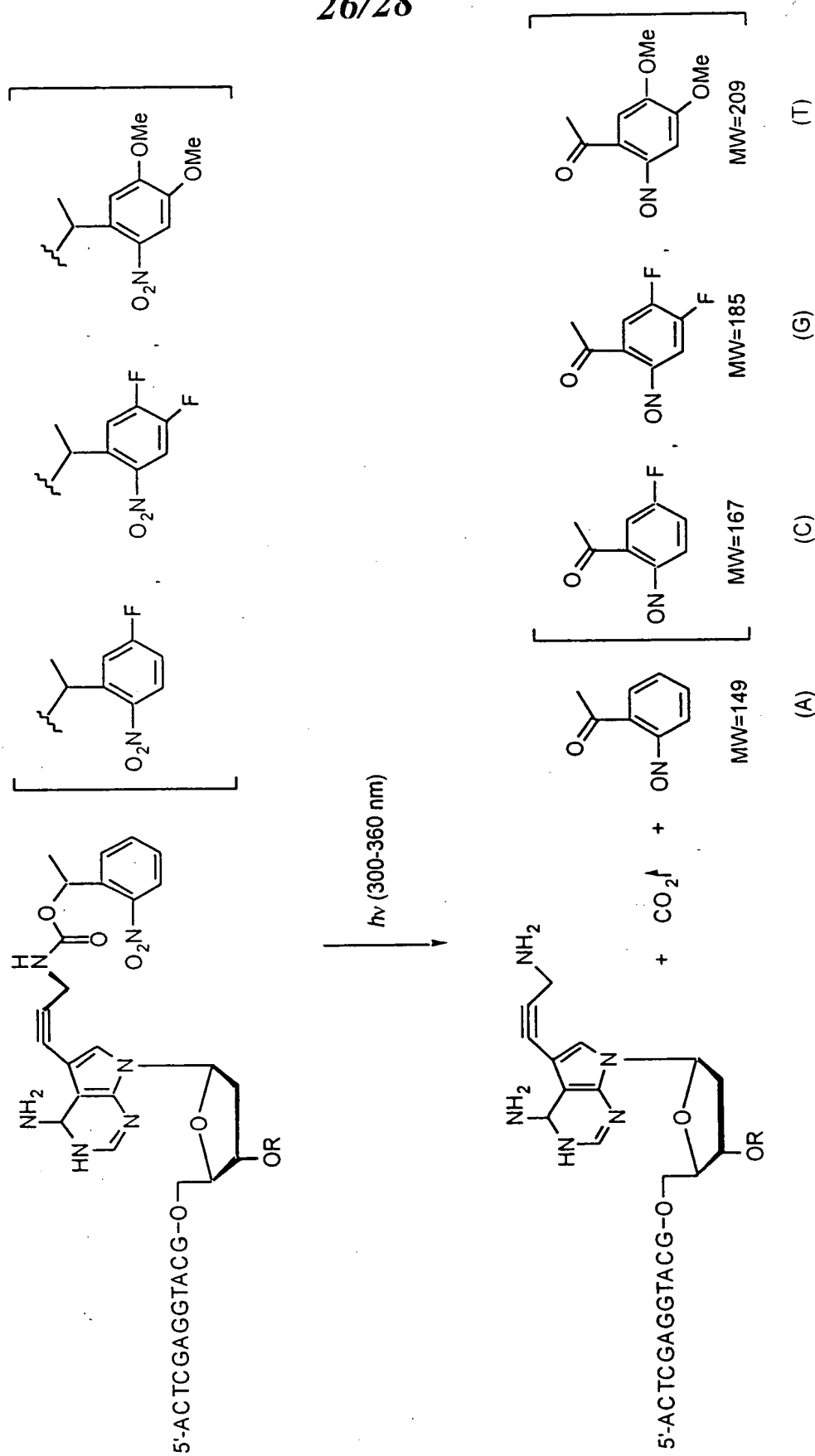
25/28

FIGURE 21



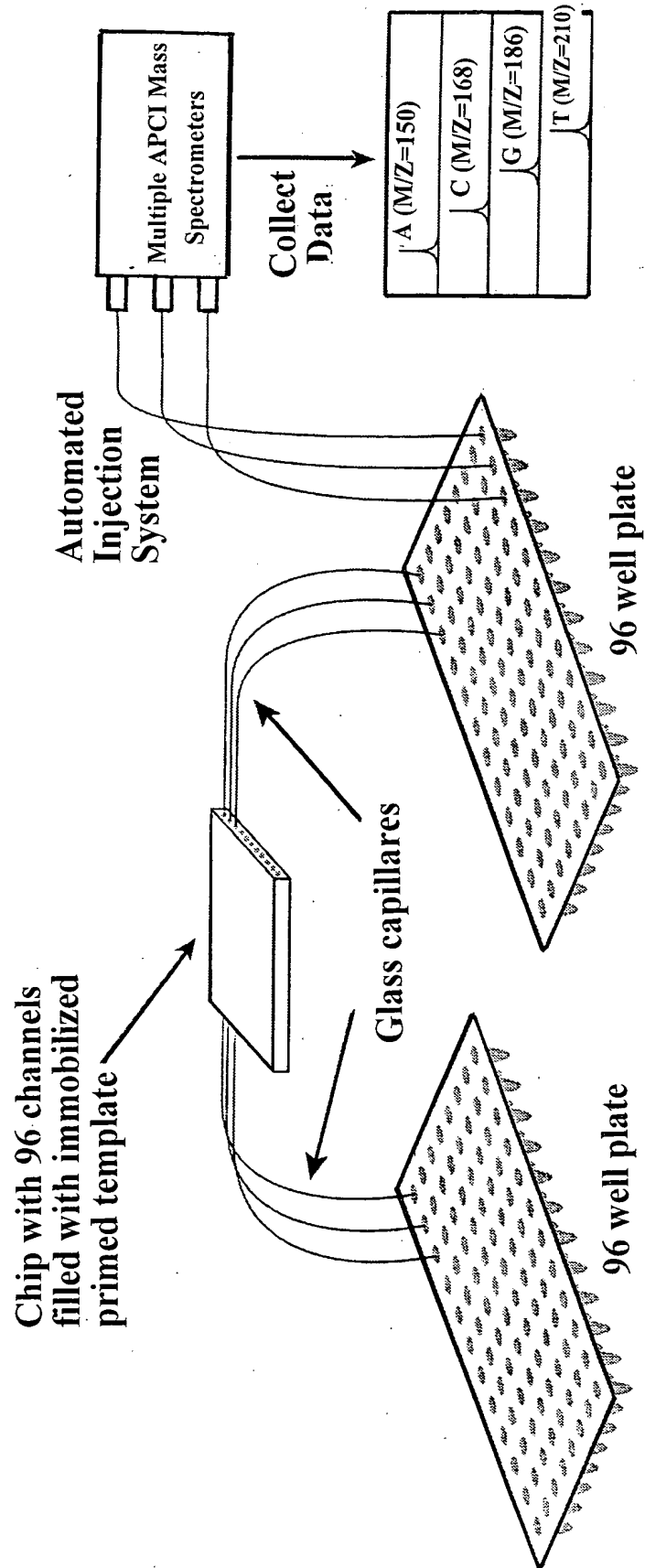
26/28

FIGURE 22



27/28

FIGURE 23



28/28

FIGURE 24

